CLAIMS:

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- 1. A liquid epoxy resin composition comprising
 - (A) a liquid epoxy resin,
- (B) an aromatic amine curing agent comprising at least 5% by weight of at least one aromatic amine compound having a purity of at least 99% selected from compounds having the following general formulae (1) to (3):

$$R^1$$
 R^2
 R^3
 R^4
 R^4
 R^3
 R^4

$$R^1$$
 R^2
 R^3
 NH_2
 R^4
 R^3

$$R^1$$
 R^2
 R^3
 R^4
 R^3
 R^4
 R^3
 R^4

- wherein each of R¹ to R⁴ is hydrogen or a monovalent hydrocarbon group having 1 to 6 carbon atoms,
 - (C) an inorganic filler, and
 - (D) an ester organic solvent having a boiling point of 130 to 250°C in an amount of 0.5 to 10 parts by weight per 100 parts by weight of components (A) and (B) combined.
 - 2. The composition of claim 1 wherein the ester organic solvent (D) has the general formula (4):

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$$R^5COO-[R^6-O]_n-R^7$$
 (4)

wherein R^5 and R^7 each are a monovalent hydrocarbon group having 1 to 6 carbon atoms, R^6 is an alkylene group having 1 to 6 carbon atoms, and n is an integer of 0 to 3.

- 3. The composition of claim 1 wherein the liquid epoxy resin (A) and the aromatic amine curing agent (B) are present in a molar ratio (A)/(B) from 0.7/1 to 0.9/1, and the composition has a toughness K_{1c} of at least 3.5.
- 4. The composition of claim 1, further comprising a silicone-modified resin in the form of a copolymer which is obtained from an alkenyl group-containing epoxy resin or phenolic resin and an organopolysiloxane having the average compositional formula (5):

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$$H_a R_b^8 SiO_{(4-a-b)/2}$$
 (5)

wherein R⁸ is a substituted or unsubstituted monovalent
hydrocarbon group, "a" is a number of 0.01 to 0.1, "b" is a
number of 1.8 to 2.2, and 1.81 ≤ a+b ≤ 2.3, said
organopolysiloxane containing per molecule 20 to 400 silicon
atoms and 1 to 5 hydrogen atoms each directly attached to a
silicon atom (i.e., SiH groups), by effecting addition of SiH
groups to alkenyl groups.

- 5. A semiconductor device which is encapsulated with the liquid epoxy resin composition of claim 1 in the cured state.
- 6. A flip chip type semiconductor device which is encapsulated with the liquid epoxy resin composition of claim 1 in the cured state as an underfill.